

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	("3802626" "5441029" "5476245" "5524825" "5538187" "5651501" "5660331" "5947380" "5961052" "5979790").PN. OR ("6168087").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/09 14:59
L2	59	("3680782" "5396926" "5779149" "5806766" "5839412" "5915623" "6105884" "6113014" "6123275" "6168087" "6186421" "6189817" "6250563" "6260537" "6264112" "6276339" "6279840" "6318641" "6328232" "6336595" "6338445" "6340017" "6340121" "6345606" "6363917" "6364222" "6373363" "6378503" "6390067" "6390385" "6405940" "6408801" "6412712" "6420817" "6421913" "6422199" "6422210" "6425368" "6431469" "6434822" "6454191" "6454192" "6464153" "6467702" "6471142" "6480641" "6502555" "6508416" "6511004" "6513733" "6520154" "6588102" "6601784" "6612508" "6616070" "6629650").PN. OR ("6889918").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/09 15:03

L33	1091	239/88.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/09 15:17
L34	1277	239/533.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/09 15:32
S1	872	((239/88.ccls.)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/09 19:40
S2	252	((239/90.ccls.)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/30 13:02
S3	970	((239/533.2.ccls.)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:07
S4	330	((239/533.8.ccls.)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:07
S5	1153	((239/585.1.ccls.)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:07
S6	603	((239/585.4.ccls.)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:08
S7	526	((239/585.5.ccls.)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:08
S8	24	3/3 near valve	USPAT	OR	OFF	2006/03/23 18:09
S9	104662	((three and way) same valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:09
S10	18427	S9 and fuel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:09

S11	3298	S10 and injector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:09
S12	37	S11 and chambe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:13
S13	4	("5544816" "5636615" "5921475" "5996911").PN. OR ("6811105").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/23 19:04
S14	1	"20020134853"	US-PGPUB; USPAT	OR	OFF	2006/03/27 15:24
S15	4	("4605166" "5484104" "6412706").PN. OR ("6814302").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 17:14
S16	4	("4605166" "5484104" "6412706").PN. OR ("6814302").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/30 13:01
S17	0	"20020134853"	USPAT	OR	OFF	2006/03/30 13:02
S18	1	"20020134853"	US-PGPUB; USPAT	OR	OFF	2006/03/30 13:02
S19	7	"6427968"	USPAT	OR	OFF	2006/03/30 13:33
S20	39	"5669355"	USPAT	OR	OFF	2006/08/31 12:31
S21	570	239/88.ccls.	USPAT	OR	OFF	2007/08/09 19:40
S22	616	239/569.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S23	502	239/570.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S24	398	239/96.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12

S25	263	239/90.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S26	168	239/91.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S27	948	239/124.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 22:30
S28	381	239/126.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S29	650	239/127.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S30	498	239/533.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S31	300	239/533.11.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12
S32	259	239/533.15.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 21:12

S33	7	("4129254" "4197996" "4219154" "4281792" "4410138" "4427152" "4593664").PN. OR ("6974093").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/20 21:19
S34	3	"20050252490"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/21 07:37
S35	7	("20040195387" "20050263133" "5651345" "6085726" "6499467" "7032574" "RE37633").PN. OR ("7182070").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:25
S36	0	"first with seat"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:26
S37	0	"second with seat"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:26
S38	100007	first with seat	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:26
S39	89760	second with seat	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:26
S40	71559	S38 and S39	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:26
S41	2127	S40 and injector	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:26
S42	888	S41 and 239/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 08:27
S43	33	S41 and 239/124.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:24
S44	595453	seat	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 18:46
S45	4169296	first same second	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:25
S46	23034	"fuel injector"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:25
S47	4713	S44 and S45 and S46	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:29
S48	1648	S47 and "239"\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:29
S49	409	S47 and "251"\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:32
S50	121372	S45 same seat	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:32

S51	200022	"control valve"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:34
S52	15682	S50 and S51	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:34
S53	800	S52 and "239"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:34
S54	2842	S52 and "251"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:35
S55	459	S53 and "fuel"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:54
S56	2	"6250563"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 15:54
S57	56	("3680782" "5396926" "5779149" "5806766" "5839412" "5915623" "6105884" "6113014" "6123275" "6168087" "6186421" "6189817" "6250563" "6260537" "6264112" "6276339" "6279840" "6318641" "6328232" "6336595" "6338445" "6340017" "6340121" "6345606" "6363917" "6364222" "6373363" "6378503" "6390067" "6390385" "6405940" "6408801" "6412712" "6420817" "6421913" "6422199" "6422210" "6425368" "6431469" "6434822" "6454191" "6454192" "6464153" "6467702" "6471142" "6480641" "6502555" "6508416" "6511004" "6513733" "6520154" "6588102" "6601784" "6612508" "6616070" "6629650").PN. OR ("6889918").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 16:11
S58	2	"7182070"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 18:46

S59	7	("20040195387" "20050263133" "5651345" "6085726" "6499467" "7032574" "RE37633").PN. OR ("7182070").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 18:47
S60	17	"5396926"	USPAT	OR	OFF	2008/06/21 13:33
S61	15	("3802626" "5441029" "5476245" "5524825" "5538187" "5651501" "5660331" "5947380" "5961052" "5979790").PN. OR ("6168087").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/21 14:37
S62	1	"6889918"	USPAT	OR	ON	2009/05/28 11:49
S63	56	("3680782" "5396926" "5779149" "5806766" "5839412" "5915623" "6105884" "6113014" "6123275" "6168087" "6186421" "6189817" "6250563" "6260537" "6264112" "6276339" "6279840" "6318641" "6328232" "6336595" "6338445" "6340017" "6340121" "6345606" "6363917" "6364222" "6373363" "6378503" "6390067" "6390385" "6405940" "6408801" "6412712" "6420817" "6421913" "6422199" "6422210" "6425368" "6431469" "6434822" "6454191" "6454192" "6464153" "6467702" "6471142" "6480641" "6502555" "6508416" "6511004" "6513733" "6520154" "6588102" "6601784" "6612508"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/28 12:36

		"6616070" "6629650").PN. OR ("6889918").URPN.				
S64	28	("0820178" "1436768" "3016917" "3151624" "3680782" "3800832" "4176822" "4561468" "4582294" "4598736" "5038826" "5396926").PN. OR ("5497806").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:41
S65	4492680	control	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S66	1363633	chamber	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S67	650629	seat	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S68	6760045	first	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S69	6117918	second	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S70	1180020	valve	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S71	518893	fuel	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S72	530239	drain	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S73	1706445	restrict\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S74	1473005	housing	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:52
S75	1	S64 and S65 and S66 and S67 and S68 and S69 and S70 and S71 and S72 and S73 and S74	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:53
S76	33	("2646820" "3039491" "3196896" "3604457" "3677826" "3680782" "4111226" "4149565" "4249497" "4440132" "4582294" "4798186" "4826080" "4911127" "5050642" "5082180" "5337788" "5396926" "5472142"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 10:57

		"5497806" "5676114" "5694903").PN. OR ("6199533").URPN.				
S77	35490	S67 with S68 with S70	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:40
S78	32859	S69 with S67 with S70	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:40
S79	26070	S77 and S78	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:41
S80	2867	S79 and S72	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:41
S81	214521	S65 with S66	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:41
S82	1070	S80 and S81	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:41
S83	350	S82 and S71	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:41
S84	204	S83 and S73	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:41
S85	80	S84 and "239"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:41
S86	93	S84 and "123"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:42
S87	12	S84 and "251"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:42
S88	28	S84 and "137"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:42
S89	7	"6889918"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 11:49
S90	1143	123/299.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/27 12:37

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1272091	control.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:09
L4	323420	valve.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:09
L5	141247	fuel.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:09
L6	700507	pressure.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:09
L7	25621	injector.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:09
L8	194156	seat\$3.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10

L9	3443327	first.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L10	3381270	second.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L11	1369685	position.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L12	146504	drain.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L13	561342	high.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L14	417098	low.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L15	48952	lift.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L16	280952	speed.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L17	528265	housing.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L18	796422	outer.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L19	1989556	surface.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L20	608128	flow.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:10
L21	469568	path.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:11
L22	116405	restrict\$3.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:11
L23	401159	chamber.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:11
L24	169526	bore.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/09/09 15:11
L25	0	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19 and 20 and 21 and 22 and 23 and 24.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:12

L26	0	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19 and 20 and 21 and 22 and 23. clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:12
L27	0	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19 and 20 and 21 and 22. clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:12
L28	0	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19 and 20 and 21. clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:12
L29	0	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19 and 20. clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:13
L30	0	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19. clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:13
L31	0	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18. clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:13

L32	2	3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17. clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/09 15:13
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9/ 9/ 2010 3:34:21 PM

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